

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	85	(asynchronous same (different adj frequenc\$3) same phase\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/06 16:55
L2	6	(asynchronous same (different adj frequenc\$3) same (different adj phase\$2))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/06 16:55
S1	1564	716/6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/06 11:14
S2	1966	716/5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/06 11:14
S3	2546	716/4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/06 11:14
S4	3	(716/6).ccls. and ((clock dj (environment\$2 or domain\$2)) same (cross\$4)) and (synchron\$8 same error\$2) and (metastab\$6) and (hold same ((set adj up) or setup) same time)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/06 11:26
S5	1	(716/5).ccls. and ((clock dj (environment\$2 or domain\$2)) same (cross\$4)) and (synchron\$8 same error\$2) and (metastab\$6) and (hold same ((set adj up) or setup) same time)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/06 11:28
S6	2	(716/4).ccls. and ((clock dj (environment\$2 or domain\$2)) same (cross\$4)) and (synchron\$8 same error\$2) and (metastab\$6) and (hold same ((set adj up) or setup) same time)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/06 11:29

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S7	3	("716"/\$).ccls. and ((clock dj (environment\$2 or domain\$2)) same (cross\$4)) and (synchron\$8 same error\$2) and (metastab\$6) and (hold same ((set adj up) or setup) same time)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/06 11:29
S8	60	((clock dj (environment\$2 or domain\$2)) same (cross\$4)) and (synchron\$8 same error\$2) and (metastab\$6) and (hold same ((set adj up) or setup) same time)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/06 11:30
S9	28	((clock dj (environment\$2 or domain\$2)) same (cross\$4)) and (synchron\$8 same error\$2) and (metastab\$6) and (hold same ((set adj up) or setup) same time) and ((adequate or proper or sufficient) adj synchroni\$8)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/06 13:48
S10	1	((clock dj (environment\$2 or domain\$2)) same (cross\$4)) and (synchron\$8 adj error\$2) and (metastab\$6) and (hold same ((set adj up) or setup) same time) and ((adequate or proper or sufficient) adj synchroni\$8)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/06 12:26
S11	0	((clock dj (environment\$2 or domain\$2)) same (cross\$4)) and (synchron\$8 adj error\$2) and (metastab\$6) and (hold same ((set adj up) or setup) same time) and ((adequate or proper or sufficient) adj synchroni\$8)).CLM.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/06 12:26
S12	1	((clock dj (environment\$2 or domain\$2)) same (cross\$4)) and (synchron\$8 adj error\$2) and (metastab\$6) and (hold same ((set adj up) or setup) same time) and ((adequate or proper or sufficient) adj synchroni\$8)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/06 13:49
S13	1	((clock dj (environment\$2 or domain\$2)) same (cross\$4)) and (metastab\$6) and (hold same ((set adj up) or setup) same time) and ((synchronizer\$2 or synchroniser\$2) same ((adequate or proper or sufficient) adj synchroni\$8))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/06 13:54

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S14	1	((clock dj (environment\$2 or domain\$2)) same (cross\$4)) and (metastab\$6) and ((synchronizer\$2 or synchroniser\$2) same ((adequate or proper or sufficient) adj synchroni\$8))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/06 13:56
S15	3	(clock dj (environment\$2 or domain\$2)) and (metastab\$6) and ((synchronizer\$2 or synchroniser\$2) same ((adequate or proper or sufficient) adj synchroni\$8))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/06 14:12
S16	1	(clock dj (environment\$2 or domain\$2)) and (metastab\$6) and ((synchronizer\$2 or synchroniser\$2) same ((adequate or proper or sufficient) adj synchroni\$8)) and (clock\$2 same frequenc\$4 same phase\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/06 14:15
S17	2888	(asynchronous same frequenc\$3 same phase\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/06 16:28
S18	201	synchronizer and (asynchronous same frequenc\$3 same phase\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/06 16:29
S19	3	synchronizer and (simulat\$6 same asynchronous same frequenc\$3 same phase\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/06 16:36
S20	31	synchronizer and (simulat\$6) and (asynchronous same frequenc\$3 same phase\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/06 16:54

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the transmitter has the higher clock **frequency**, equivalent designs can be used with the rate multiplier in the transmitter's **clock domain**. ...

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probabilities of **synchronization** failure using very simple hardware. ... exactly the same **frequency**, only the relative **phase** difference is unknown. This is ...

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thus, although the **synchronization** circuit only knows the relative **phase** ... the basic idea behind the **clock domain crossing** Circuitry is straightforward. ...

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The memory and conversion functions are in a same **clock domain**. ... When the output samples of the SRC 730 are exactly **frequency** and **phase** locked to the ...

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probability of **synchronizer** failure to acceptable levels while not introducing ... Therefore with  $n$  **clock domain crossings** a minimum latency of  $4 \cdot n$  clock ...

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[Military Communications Conference, 2001. MILCOM 2001. Communications for Centric Operations: Creating the Information Force. IEEE](#)  
 Volume 2, 28-31 Oct. 2001 Page(s):1219 - 1223 vol.2  
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- ☐ 2. **High resolution multi-frequency digital phase locked loop**  
 Efendovich, A.; Afek, Y.; Sella, C.; Bikowsky, Z.;  
[Circuits and Systems, 1993. ISCAS '93, 1993 IEEE International Symposium on](#)  
 3-6 May 1993 Page(s):1128 - 1131 vol.2  
 Digital Object Identifier 10.1109/ISCAS.1993.393903  
[AbstractPlus](#) | Full Text: [PDF](#)(336 KB) IEEE CNF  
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- ☐ 3. **Analysis of true jitter arising from pulse-stuffing schemes**  
 Abeysekera, S.S.;  
[Communications, IEEE Transactions on](#)  
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 Digital Object Identifier 10.1109/TCOMM.2003.810802  
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- ☐ 4. **A research on adaptive PCM clock recovering**  
 Wu Zhilu; Yin Zhendong; Ren Guanghui; Yang Shuiwang;  
[Microwave and Millimeter Wave Technology, 2002. Proceedings. ICMMT 2002 International Conference on](#)  
 17-19 Aug. 2002 Page(s):406 - 409  
[AbstractPlus](#) | Full Text: [PDF](#)(283 KB) IEEE CNF  
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- ☐ 5. **Joint carrier phase and symbol timing synchronization for burst satellite**  
 Yigang Fan; Chakravarthi, P.;  
[MILCOM 2000. 21st Century Military Communications Conference Proceeding](#)  
 Volume 2, 22-25 Oct. 2000 Page(s):1104 - 1108 vol.2


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 Jex, J.; Dike, C.;  
Solid-State Circuits, IEEE Journal of  
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 Semiat, Y.; Ginosar, R.;  
Asynchronous Circuits and Systems, 2003. Proceedings. Ninth International S  
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 Digital Object Identifier 10.1109/ASYNC.2003.1199167  
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Signals, Systems and Computers, 2004. Conference Record of the Thirty-Eigh  
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